# FCC AND ISED CERTIFICATION TEST REPORT

Applicant:	Guangzhou Shirui Electronics Co.,Ltd		
Address:	192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China		
Manufacturer:	Guangzhou Shirui Electronics Co.,Ltd		
Address:	192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China		
<b>Product Description:</b>	NFC Module		
Brand Name:	NA		
Tested Model:	SRT.NFC.03		
FCC ID:	2AFG6-SRTNFC03		
IC:	22166-SRTNFC03		
Report No.:	JCF250806051-001		
Received Date:	Aug. 06, 2025		
Tested Date:	Aug. 06, 2025 - Sep. 01, 2025		
Issued Date:	Sep. 09, 2025		
Test Standards:	FCC Rules and Regulations Part 15 Subpart C, RSS-210 Issue 11 June 2024		
Test Procedure:	ANSI C63.10: 2020, RSS-Gen Issue 5, A2 (February 2021)		
Test Result:	Pass		
Prepared By:			
Roger Li			
Roger Li/Engineer	<b>Date:</b> Sep. 09, 2025		
Reviewed By:			
Kennys Zhang			
Kennys Zhang/Engineer	<b>Date:</b> Sep. 09, 2025		
Approved By:			
Talent theng			
Talent Zhang/Engineer	<b>Date:</b> Sep. 09, 2025		

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

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# **Report Revise Record**

F	Report Version	Revise Time	Issued Date	Valid Version	Notes
	V1.0	1	Sep. 09, 2025	Original Report	1

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# 1. Test Report Declare

Applicant:	Guangzhou Shirui Electronics Co.,Ltd	
Address:	192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China	
Manufacturer:	Guangzhou Shirui Electronics Co.,Ltd	
Address: 192 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District, Guangzhou, China		
Product Name: NFC Module		
Brand Name:	NA	
Model Name:	SRT.NFC.03	
Difference Description:	N/A	

#### We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

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# 2. Summary of Test Results

Summary of Test Results				
Clause	Test Items	FCC/ISED Rules	Test Result	
1	20 dB Bandwidth and 99 % Occupied Bandwidth	FCC Part 15: 15.215 ANSI C63.10:2020 RSS-210 Issue 11 RSS-Gen Issue 5	Pass	
2	Frequency tolerance	FCC Part 15:15.225 ANSI C63.10:2020 RSS-210 Issue 11 RSS-Gen Issue 5	Pass	
3	Radiated Emission	FCC Part 15: 15.209 FCC Part 15: 15.225 ANSI C63.10:2020 RSS-210 Issue 11 RSS-Gen Issue 5	Pass	
4	Power Line Conducted Emissions	FCC Part 15: 15.207 ANSI C63.10:2020 RSS-210 Issue 11 RSS-Gen Issue 5	Pass	
5	Antenna requirement	FCC Part 15: 15.203 ANSI C63.10:2020 RSS-210 Issue 11 RSS-Gen Issue 5	Pass	

# 3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03 FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

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# 4. Equipment Under Test

## 4.1. Description of EUT

EUT Name:	NFC Module		
Model Number:	SRT.NFC.03		
<b>EUT Function Description:</b>	Please refer to the user manual of this device		
Power Supply:	5V/500mA		
Hardware Version:	N/A		
Software Version:	N/A		
Radio Specification:	NFC		
Operation Frequency:	13.56 MHz		
Modulation:	ASK		
Antenna Type:	PCB Loop antenna		

Note 1: EUT is the ab. of equipment under test.

## 4.2. Test Channel Configuration and Channel List

Tested mode, channel, information			
Mode	Frequency (MHz)		
ASK	13.56		

#### 4.3. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

1	Normal Conditions	Extreme Conditions	
Temperature range:	21-25 ℃	0 °C to +40 °C	
Humidity range:	40-75 %	40-75 %	
Pressure range:	86-106 kPa	86-106kPa	
Power supply NV: DC 5V DC 5.5V and 4.5 V			
Note: The Extreme temperature range and extreme voltages are declared by the manufacturer.			

# 4.4. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
ASK	⊠ 1TX	Antenna 1 can be used as transmitting

# 5. Description of Test Setup

## 5.1. Accessory

	· · ·			
Description of Accessories	Manufacturer	Model Number	Description	Remark
1	1	/	1	1

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Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

5.2. Support Equipment

Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	1

## 5.3. Test Setup

The EUT can work in normal operation.

## 5.4. Setup Diagram for Tests



# 6. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	4.6dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.

7. Measuring Instrument and Software Used

	TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Ø	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jul. 31, 2025	Jul. 30, 2026	
Ø	Vector Signal Generator	Keysight	N5182B	MY57300334	Jul. 31, 2025	Jul. 30, 2026	
Ø	Signal Generator	Keysight	N5171B	MY57280639	Jul. 31, 2025	Jul. 30, 2026	
V	DC POWER	Keysight	E342A	MY59020356	Jul. 31, 2025	Jul. 30, 2026	
Ø	Incubator thermometer	GWS	EL-02JA	21107288	Jul. 31, 2025	Jul. 30, 2026	
Ø	Control unit(Power sensor)	Tonscend	JS0806-2	1	Jul. 31, 2025	Jul. 30, 2026	
Ø	Wideband radio communication tester	R&S	CMW500	163478	Jun. 28, 2025	Jun. 27, 2026	
	Software						
Used Description Manufacturer Name Version					sion		

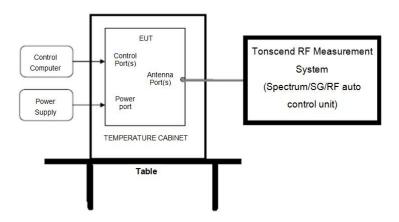
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	Test software	TS+	JS	1120-3	V3.3	3.10	
_	. 551 551111415		RSE Test Sy				
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
$\square$	EMI Receiver	R&S	ESW	101685	Sep. 14, 2024	Sep. 13, 2025	
$\square$	Hybrid Antenna	Schwarzbeck	VULB9163	01361	Sep. 25, 2024	Sep. 24, 2025	
Ø	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Sep. 11, 2024	Sep. 10, 2025	
$\square$	Horn Antenna 2	ETS	BBHA 9170	1090	Sep. 11, 2024	Sep. 10, 2025	
Ø	loop-antenna	Schwarzbeck	FMZB 1513- 60	00030	Jan. 12, 2025	Jan. 11, 2026	
☑	Test path	/	Path14:9kHz -30MHz	/	Jul. 31, 2025	Jul. 30, 2026	
Ø	Test path	/	Path16:30M Hz-1GHz ALL PASS NO AMP	/	Jul. 31, 2025	Jul. 30, 2026	
Ø	3m Fully- anechoic Chamber	ETS	RFD-100 (9m*6m*6m)	Q2010	Jul. 08, 2024	Jul. 07, 2027	
Ø	Temperature & Humidity	Temperature	HTC-1	1	Jul. 30, 2025	Jul. 29, 2026	
			Software	)			
Used	Description	Manufacturer	N	lame	Vers	sion	
Ø	Test software	TS+		TS+	V5.0.0.0		
		Conducted I	Emission Test	For AC Power Po	ort		
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Ø	LISN	R&S	ENV216	102509	Aug. 01, 2025	Jul. 31, 2026	
Ø	EMI Receiver	R&S	ESR	102154	Aug. 01, 2025	Jul. 31, 2026	
	Software						
Used	Description	ription Manufacturer Name Version			sion		
☑	Test software	EZ	EZ-EMC EMEC			C-3A1	
	Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date	
Ø	Temperature & Humidity	Temperature	HTC-1	1	Sep. 29, 2024	Sep. 28, 2025	

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## 8. 20 dB Occupied Bandwidth and 99 % Occupied Bandwidth

## 8.1. Block diagram of test setup



#### 8.2. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

## 8.3. Test Procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Set the spectrum analyzer as follows:

RBW:	10kHz
VBW:	30kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

Allow the trace to stabilize, measure the 20dB and 99% bandwidth of signal.

#### 8.4. Results

Mode	Freq. (MHz)	20dB bandwidth Result (kHz)	99% bandwidth Result (kHz)	Conclusion
ASK	13.56	12.3	21.97	PASS

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## 8.5. Original test data

20 dB Occupied Bandwidth:



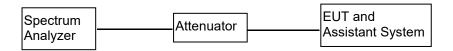
#### 99 % Occupied bandwidth:



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# 9. Frequency Tolerance

## 9.1. Block diagram of test setup



#### 9.2. Limits

As contained in § 15.225 the frequency tolerance of the carrier signal shall be maintained within  $\pm 0.01\%$  of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply Voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

#### 9.3. Test Procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 10 kHz. Video BW: 10 kHz. Span: 1MHz. Detector: Peak.

Trace Mode: Max Hold.

(2) When the trace is complete, find the peak value of the power envelope and record the frequency.

#### 9.4. Results

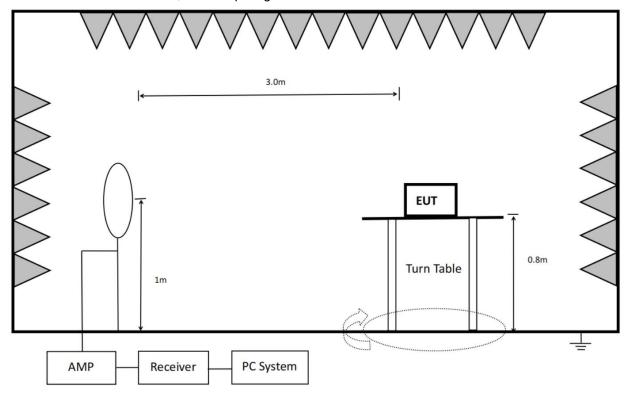
	Condi	Condition Result				Limit
	Temperature (°ℂ)	Voltage (V)	Measured (MHz)	Tolerance (kHz)	Tolerance (ppm)	ppm
	-20	NV	13.56031	0.31	22.9	100
	-10	NV	13.56011	0.11	8.10	100
	0	NV	13.56014	0.14	10.30	100
Mode	10	NV	13.56021	0.21	15.50	100
	20	NV	13.56018	0.18	13.30	100
	30	NV	13.56015	0.15	11.10	100
	40	NV	13.56009	0.09	6.60	100
	50	NV	13.56038	0.38	28.0	100
	NT	102V	13.56009	0.09	6.60	100
	NT	138V	13.56027	0.27	19.9	100
Note: NT:20°	C,NV:5V					

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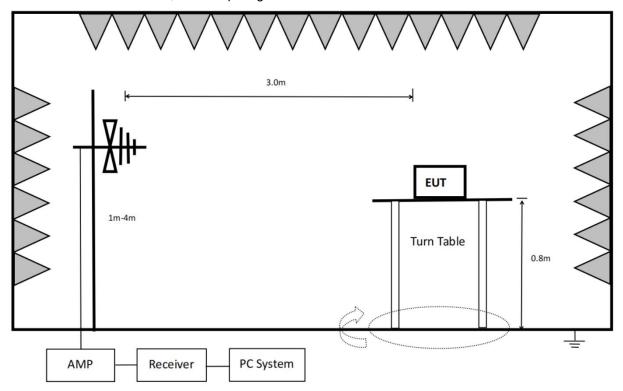
# 10. Radiated Emission

# 10.1. Block diagram of test setup

In 3m Anechoic Chamber, test setup diagram for 9kHz - 30MHz:



In 3m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



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#### 10.2. Limit

Operation within the band 13.110-14.010 MHz as contained in §15.225:

- (a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter

at 30 meters

(c) Within the bands 13.110-13.410~MHz and 13.710-14.010~MHz the field strength of any emissions shall not exceed 106~microvolts/meter at

30 meters.

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in \$15.209.

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT	
MHz	Meters	μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 13.110	30	30	29.54
13.110 ~ 13.410	30	106	40.51
13.410~ 13.553	30	334	50.47
13.553~13.567	30	15848	84.00
13.567~13.710	30	334	50.47
13.710~14.010	30	106	40.51
14.010~30	30	30	29.54
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz.Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer then that specified, and the limit at closer measurement distance can be extrapolated by below formula:

 $Limit_{3m}(dBuV/m) = Limit_{300m}(dBuV/m) + 40Log(300m/3m) = Limit_{300m}(dBuV/m) + 80$  $Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m) = Limit_{30m}(dBuV/m) + 40$ 

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT
MHz	Meters	dB(μV)/m
0.009 ~ 0.490	3	147.6-20log(F)
0.490 ~ 1.705	3	127.6-20log(F)
1.705 ~ 13.110	3	69.54
13.110 ~ 13.410	3	80.51
13.410 ~ 13.553	3	90.47
13.553 ~ 13.567	3	124.00
13.567 ~ 13.710	3	90.47
13.710 ~ 14.010	3	80.51
14.010 ~ 30	3	69.54
30 ~ 88	3	40.00
88 ~ 216	3	43.50
216 ~ 960	3	46.00
960 ~ 1000	3	54.00

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#### 10.3. Test Procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

(2) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9kHz-30MHz	Active Loop antenna	3m
30MHz-1GHz	Trilog Broadband Antenna	3m

According ANSI C63.10:2020 clause 6.4.4.2 and 6,5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30MHz, the Trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9kHz to 1GHz:
- (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1m to 4m(Except loop antenna, it's fixed 1m above ground.)
  - (b) Change work frequency or channel of device if practicable.
  - (c) Change modulation type of device if practicable.
- (d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions. Spectrum frequency from 9kHz to 1GHz (tenth harmonic of fundamental frequency) was investigated.
- (4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.
- (5) The emissions from 9kHz to 1GHz were measured based on CISPR QP detector except for the frequency bands 9-90kHz, 110-490kHz, for emissions from 9kHz-90kHz,110kHz-490kHz and above 1GHz were measured based on average detector, for emissions above 1GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9kHz to 1GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9kHz-150kHz	200Hz
150kHz-30MHz	9kHz
30MHz-1GHz	120kHz

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## 10.4. Results

Pass. (See below detailed test result)

Below 30MHz

Frequency	Result @3m	Limit @3m	Detector	Conclusion
(MHz)	(dBuV/m)	(dBuV/m)		
0.04	54.59	116.47	Average	PASS
0.04	54.59	136.47	Peak	PASS
0.06	55.95	111.48	Average	PASS
0.06	55.95	131.48	Peak	PASS
0.11	64.97	106.60	Average	PASS
0.11	64.97	126.60	Peak	PASS
0.22	54.27	100.76	Average	PASS
0.22	54.27	120.76	Peak	PASS
0.33	58.64	97.25	Average	PASS
0.33	58.64	117.25	Peak	PASS
0.68	58.87	70.99	QP	PASS
13.5571	59.87	124.00	QP	PASS

Refer to appendix A

Note: EMI = Trace + Cable(Loss) + ERP Factor + Transducer Margin = EMI - Limit

Above 30MHz test data: Refer to appendix B

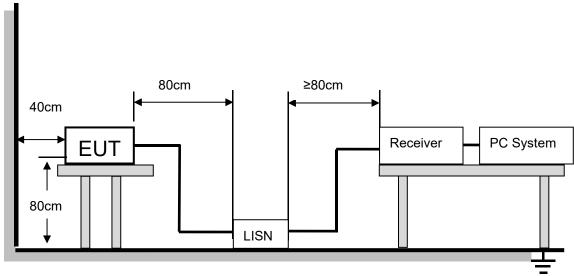
Note: EMI = Trace + Cable(Loss) + ERP Factor + Transducer

Margin = EMI - Limit

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#### 11. AC Power Line Conducted Emissions

## 11.1. Block diagram of test setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

#### **11.2. Limits**

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8.

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

#### 11.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

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The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

#### 11.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

## 11.5. Original test data

AC Power Line Conducted Emission Test Data Refer to appendix C.

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# 12. Antenna Requirements

## **12.1. Limits**

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 12.2. Result

The antenna used for this product is PCB Loop antenna and that no antenna other than that furnished by the responsible party shall be used with the device.

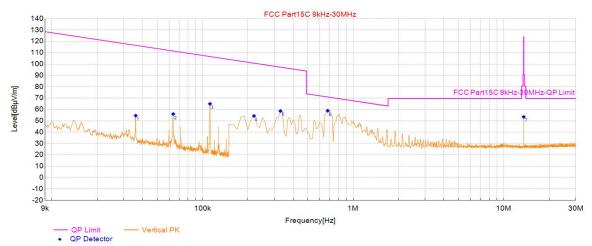
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# APPENDIX A – Radiated Emission Below 30MHz Test Data Test Report

Project Information						
EUT:						
Customer:						
Model:	SRT.NFC.03	SN:				
Mode:	NFC	Voltage:	DC 5V			
Environment:	24.2℃ 51%	Engineer:	Soho Liu			
Remark:						

Start of Test:2025-08-29 11:52:00

## **Test Graph**



Final	Final Data List									
NO.	Freq. (MHz)	Factor (dB)	Value (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict	
1	0.04	18.91	54.59	116.47	61.88	100	333	Vertical	PASS	
2	0.06	18.79	55.95	111.48	55.53	100	265	Vertical	PASS	
3	0.11	18.75	64.97	106.60	41.63	100	269	Vertical	PASS	
4	0.22	18.70	54.27	100.76	46.49	100	252	Vertical	PASS	
5	0.33	18.65	58.64	97.25	38.61	100	274	Vertical	PASS	
6	0.68	18.56	58.87	70.99	12.12	100	181	Vertical	PASS	
7	13.56	18.85	53.43	124.00	70.57	100	3	Vertical	PASS	

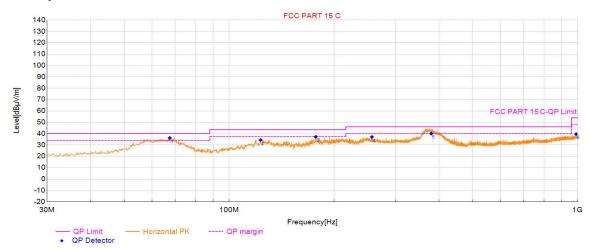
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# APPENDIX B – Radiated Emission Above 30MHz Test Data Test Report

	Project Information							
EUT:								
Customer:								
Model:	SRT.NFC.03	SN:						
Mode:	NFC	Voltage:	DC 5V					
Environment:	24.2℃ 51%	Engineer:	Soho Liu					
Remark:								

Start of Test: 2025-08-29 11:42:34

## **Test Graph**



Final	Data List								
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	67.54	17.92	36.23	40.00	3.77	100	232	Horizontal	PASS
2	123.03	17.48	34.38	43.50	9.12	100	257	Horizontal	PASS
3	177.26	18.07	37.24	43.50	6.26	100	286	Horizontal	PASS
4	256.81	21.86	37.10	46.00	8.90	100	277	Horizontal	PASS
5	380.09	25.06	40.08	46.00	5.92	104.7	292.9	Horizontal	PASS
6	990.01	35.24	39.62	54.00	14.38	100	332	Horizontal	PASS

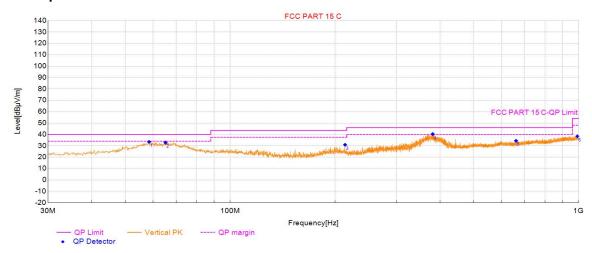
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**Test Report** 

Project Information							
EUT:							
Customer:							
Model:	SRT.NFC.03	SN:					
Mode:	NFC	Voltage:	DC 5V				
Environment:	24.2℃ 51%	Engineer:	Soho Liu				
Remark:		<u> </u>					

Start of Test: 2025-08-29 11:43:13

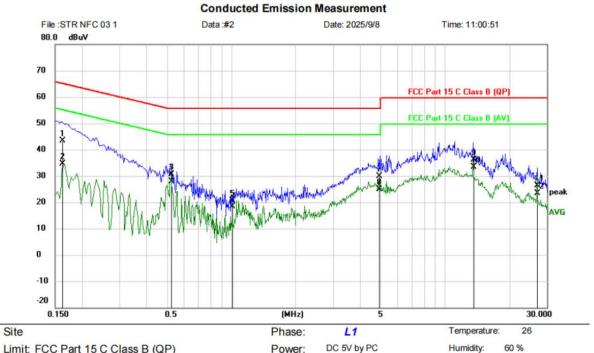
## **Test Graph**



Final	Final Data List									
NO.	Freq. (MHz)	Factor (dB)	QP Value (dBµV/m)	QP Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict	
1	58.52	20.30	33.47	40.00	6.53	100	235	Vertical	PASS	
2	65.21	18.59	32.80	40.00	7.20	100	29	Vertical	PASS	
3	213.64	20.63	30.90	43.50	12.60	100	29	Vertical	PASS	
4	381.27	25.15	40.32	46.00	5.68	100	29	Vertical	PASS	
5	661.05	30.19	34.37	46.00	11.63	100	199	Vertical	PASS	
6	991.75	35.23	38.36	54.00	15.64	100	55	Vertical	PASS	

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# **APPENDIX C – AC Power Line Conducted Emission Test Data**



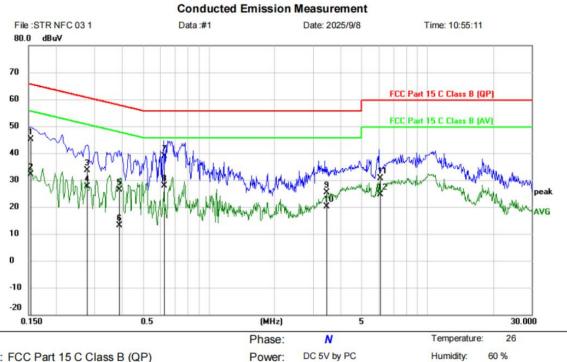
Limit: FCC Part 15 C Class B (QP)

EUT: NFC Module M/N: STR.NFC.03.1

Mode: NFC Note:

No. I	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1621	33.77	9.53	43.30	65.36	-22.06	QP	
2		0.1621	25.20	9.53	34.73	55.36	-20.63	AVG	
3		0.5218	20.98	9.60	30.58	56.00	-25.42	QP	
4		0.5218	18.34	9.60	27.94	46.00	-18.06	AVG	
5		1.0119	11.11	9.62	20.73	56.00	-35.27	QP	
6		1.0119	8.83	9.62	18.45	46.00	-27.55	AVG	
7		4.9175	20.06	9.80	29.86	56.00	-26.14	QP	
8		4.9175	15.14	9.80	24.94	46.00	-21.06	AVG	
9		13.5589	26.11	10.07	36.18	60.00	-23.82	QP	
10	*	13.5589	23.28	10.07	33.35	50.00	-16.65	AVG	
11		27.1207	16.07	10.19	26.26	60.00	-33.74	QP	
12		27.1207	13.24	10.19	23.43	50.00	-26.57	AVG	

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Limit: FCC Part 15 C Class B (QP)

EUT: NFC Module M/N: SRT.NFC.03.1

Mode: NFC Note:

Site

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1535	35.69	9.53	45.22	65.81	-20.59	QP	
2	0.1535	22.58	9.53	32.11	55.81	-23.70	AVG	
3	0.2787	24.13	9.57	33.70	60.85	-27.15	QP	
4	0.2787	18.11	9.57	27.68	50.85	-23.17	AVG	
5	0.3887	16.87	9.58	26.45	58.09	-31.64	QP	
6	0.3887	3.60	9.58	13.18	48.09	-34.91	AVG	
7 *	0.6243	29.25	9.61	38.86	56.00	-17.14	QP	
8	0.6243	18.36	9.61	27.97	46.00	-18.03	AVG	
9	3.4357	15.71	9.72	25.43	56.00	-30.57	QP	
10	3.4357	10.49	9.72	20.21	46.00	-25.79	AVG	
11	6.0567	20.73	9.85	30.58	60.00	-29.42	QP	
12	6.0567	14.66	9.85	24.51	50.00	-25.49	AVG	

# **END OF REPORT**

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